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AMENDMENTS TO THE SPECIFICATION:

Please cancel the specification, without prejudice and add the attached substitute

specification in accordance with 37 C.F.R 1.125(b).

Please insert the sequence listing after the specification but before the listing of claims.

On page 1, line 5, after the Title, but before line 6, please insert the following new

paragraph:

INCORPORATION OF SEQUENCE LISTING

Incorporated herein by reference in its entirety is the

Sequence Listing for the application. The Sequence Listing is

disclosed on a computer-readable ASCII text file titled,

"sequence_listing.txt", created on September 18, 2008. The

sequence listing.txt file is 387 kb in size.

Please delete the paragraph on page 6, line 1 to line 19. Please replace it with the

following:

Functional interaction between RKS and SBP proteins was

shown by studies in transgenic tobacco plants in which SBP5

and RKS0 were both overexpressed under the control of an enhanced 35S promoter (data not shown). At the tip of double

overexpressing plants, embryo structures appeared whereas in

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the SBP5 overexpressing plants alone or the RKS0

overexpressing plants alone no phenotype was detectable at the root tips of transgenic tobacco plants. These results show that

both RKS and SBP proteins are involved together in a

signalling cascade, resulting in the reprogramming of

developmental fate of a determined meristem, (ref. dissertation:

http://www.ub.uni koeln.de/ediss/archiv/2001/11w1204.pdf;

Plant Journal 1997: 12, 2 367-377; Mol. Gen. Genet. 1996:

250, 7-16; Gene 1999, 237, 91-104, Genes and Development 1997; 11, 616-628), Proc. Natl. Acad. Sci. USA 1998; 95.

10306-10311; The Plant Journal 2000; 22, 523-529; Science

1997; 278, 1963-1965; Plant Physiol, Biochem, 2000; 38, 789-

796; Cell 1996; 84, 61-71; Annu, Rev. Plant Physiol, Plant

Mol. Biol. 1999: 50, 505-537

Please delete the paragraph on page 26, line 1 to line 5. Please replace it with the

following:

That syntaxins and NDR/NHL genes share large homology

becomes even more clear when performing a database search using the following site:

http://mips.gsf.de/proj/thal/db/search/search frame.html

searching for homologous sequences with the sequence

At1g32270

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Please delete the paragraph on page 45, line 27 to line 29. Please replace it with the following:

Homology between an sequences from arabidopsis proteins are compared with the rice databases using [[::]]
http://mips.gsf.de/proj/thal/db/search/search-frame.html—protein sequences based on Oryza sativa japonica contig sequences.

Please delete the paragraph on page 94, line 8 to line 32. Please replace it with the following:

The first domain of the predicted protein structure at the Nterminal end consists of a signal sequence, involved in targeting the protein towards the plasma membrane. Protein cleavage removes this sequence from the final mature protein product (Jain et al. 1994, J. Biol. Chemistry 269: 16306-16310). The second domain consists of different numbers of leucine zipper motifs, and is likely to be involved in protein protein dimerization. The next domain contains a conserved pair of cystein residues, involved in disulphate bridge formation. The next domain consists of 5 (or in the case of RKS3 only 4) leucine rich repeats (LRRs) shown in a grav colour, likely to be involved in ligand binding (Kobe and Deisenhofer 1994, TIBS 19: 415-420). This domain is again bordered by a domain containing a conserved pair of cystein residues involved in disulphate bridge formation often followed by a serine /. proline rich region. The next domain displays all the characteristics of a single transmembrane domain (http://genome.cbs.dtu.dk/services/TMHMM/). At the

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predicted cytoplasmic site of protein a domain is situated with unknown function, followed by a domain with serine/threonine kinase activity (Schmidt et al. 1997, Development 124: 2049-2062). The kinase domain is followed by a domain with

unknown function whereas at the C-terminal end of the protein part of a leucine rich repeat is positioned, probably involved in

protein-protein interactions.